

FIG. 1

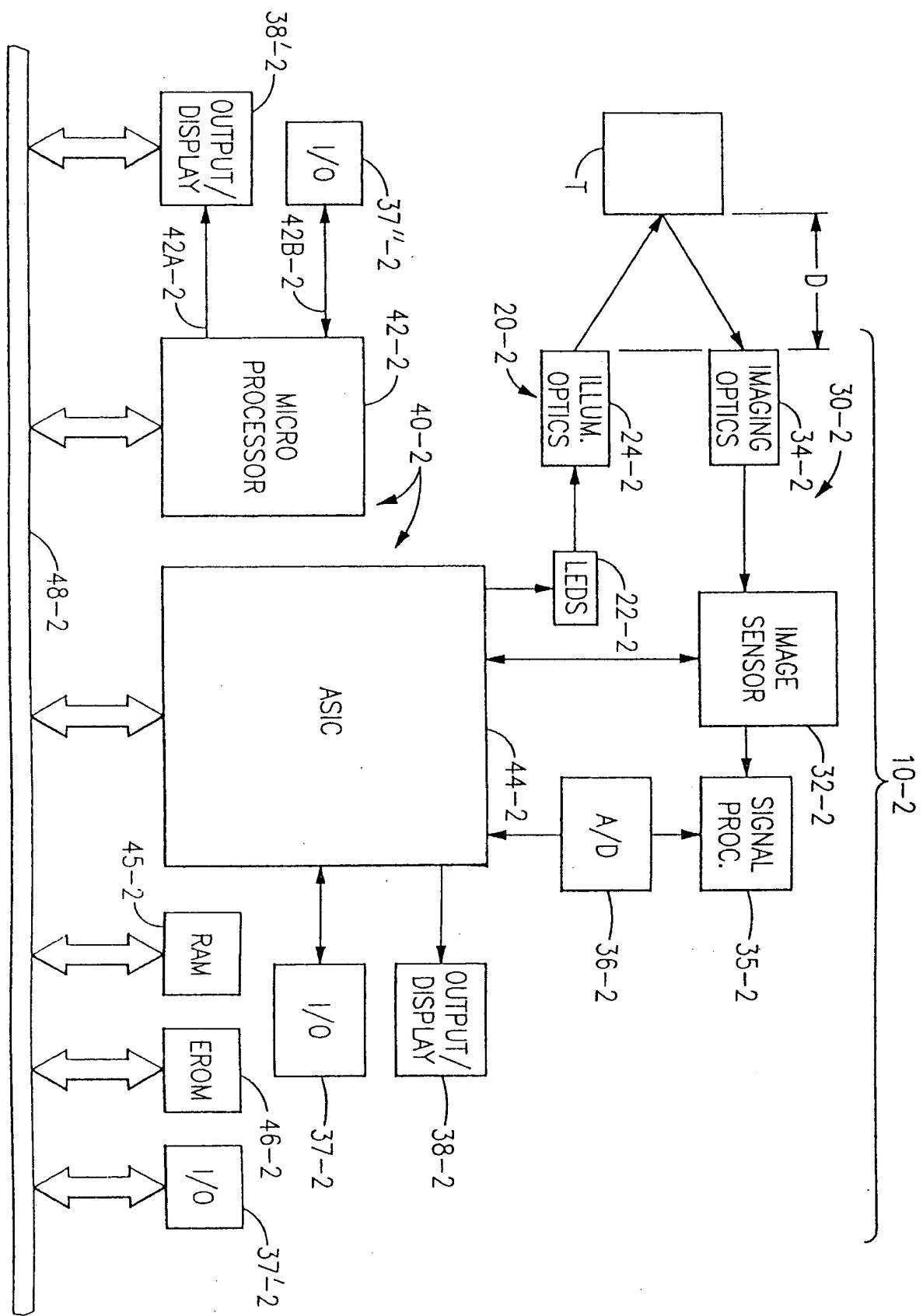


FIG. 2

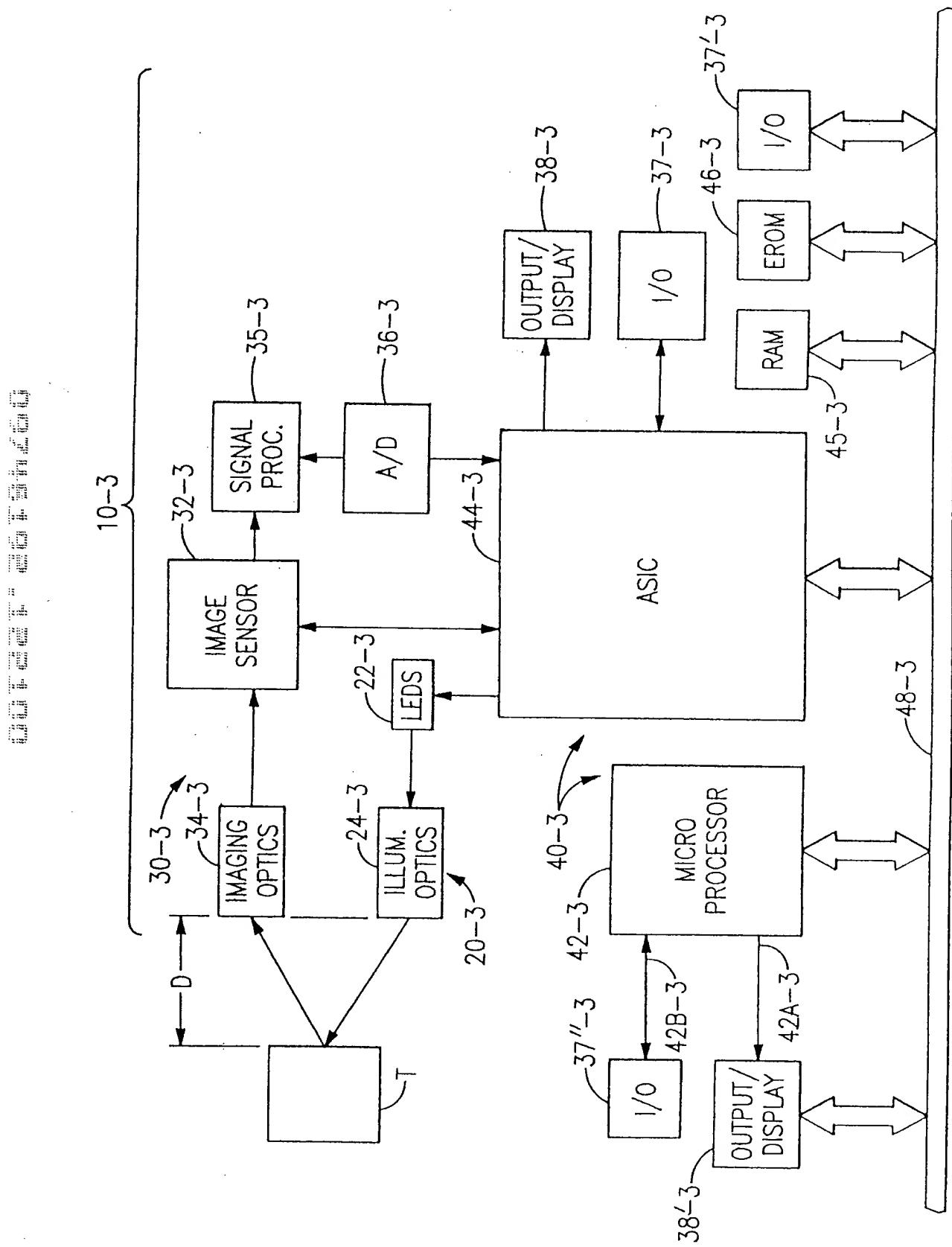


FIG.3

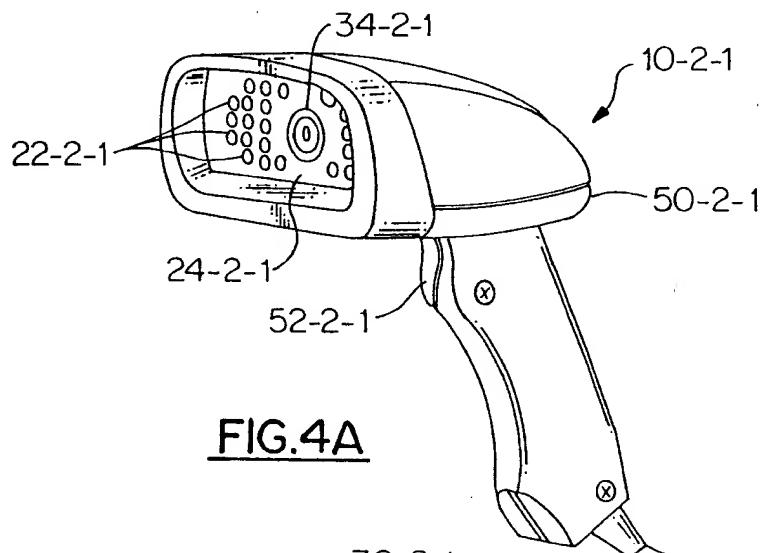


FIG.4A

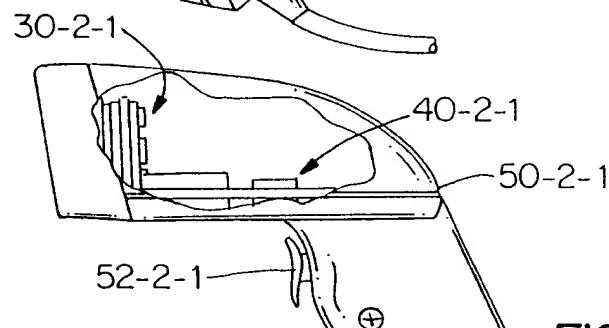


FIG.4B

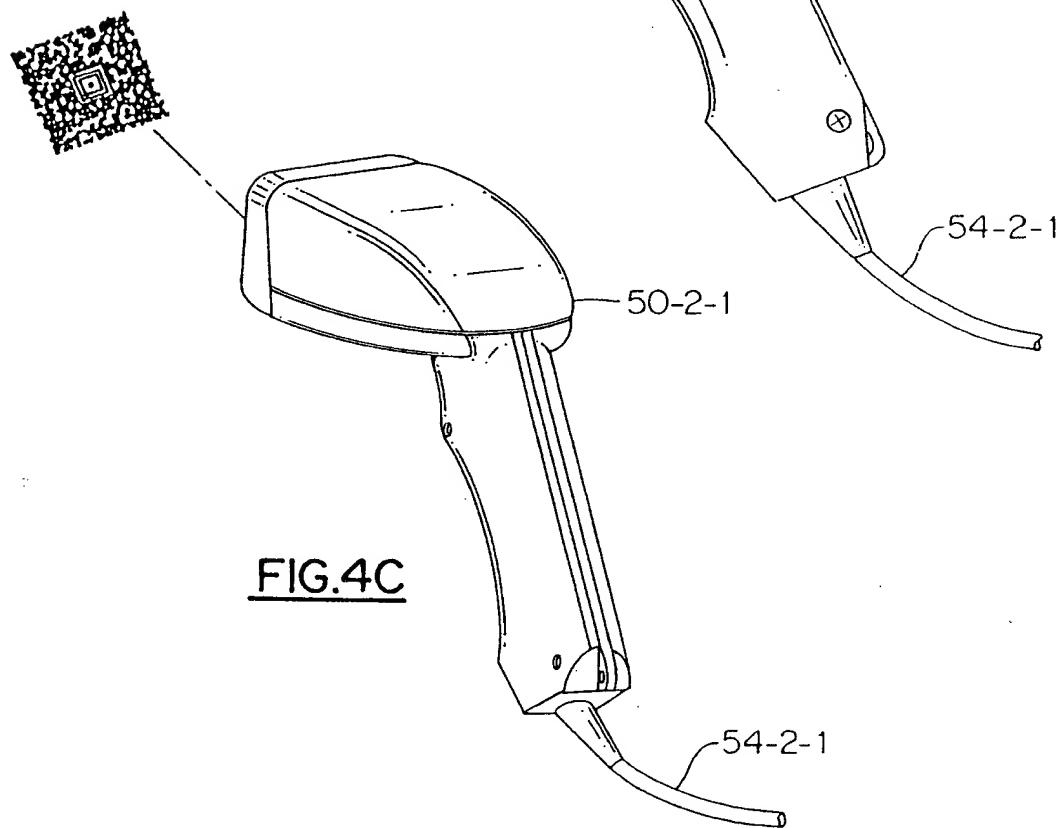


FIG.4C

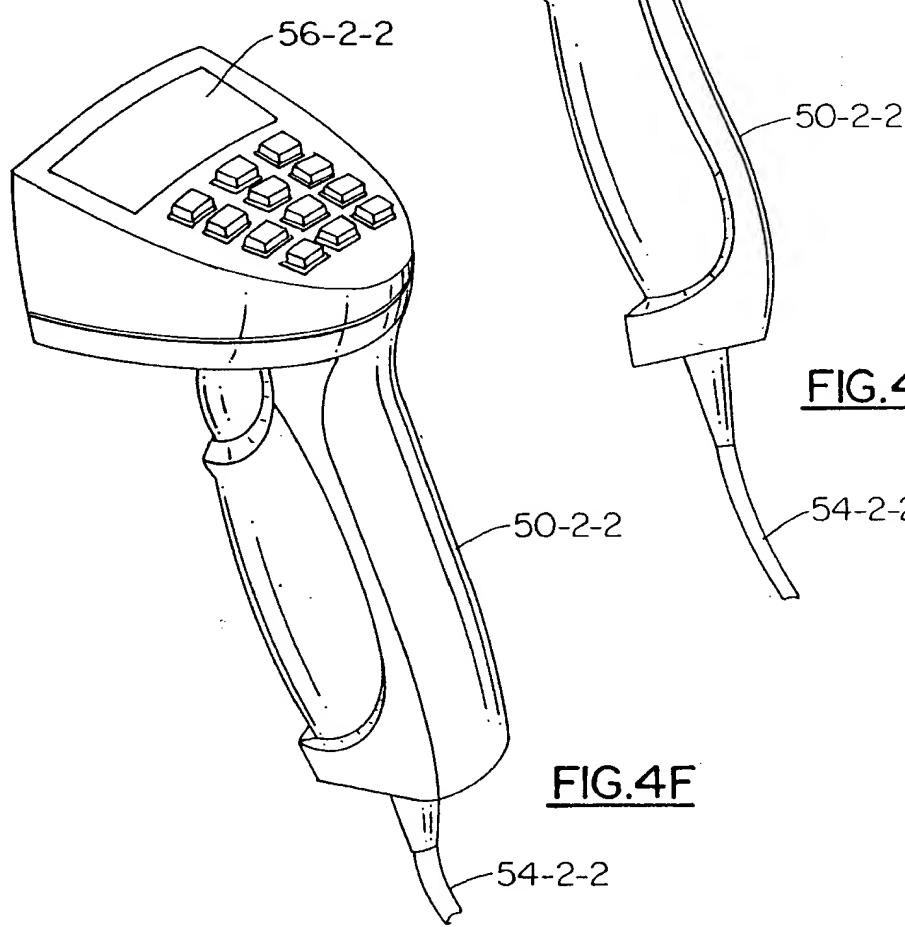
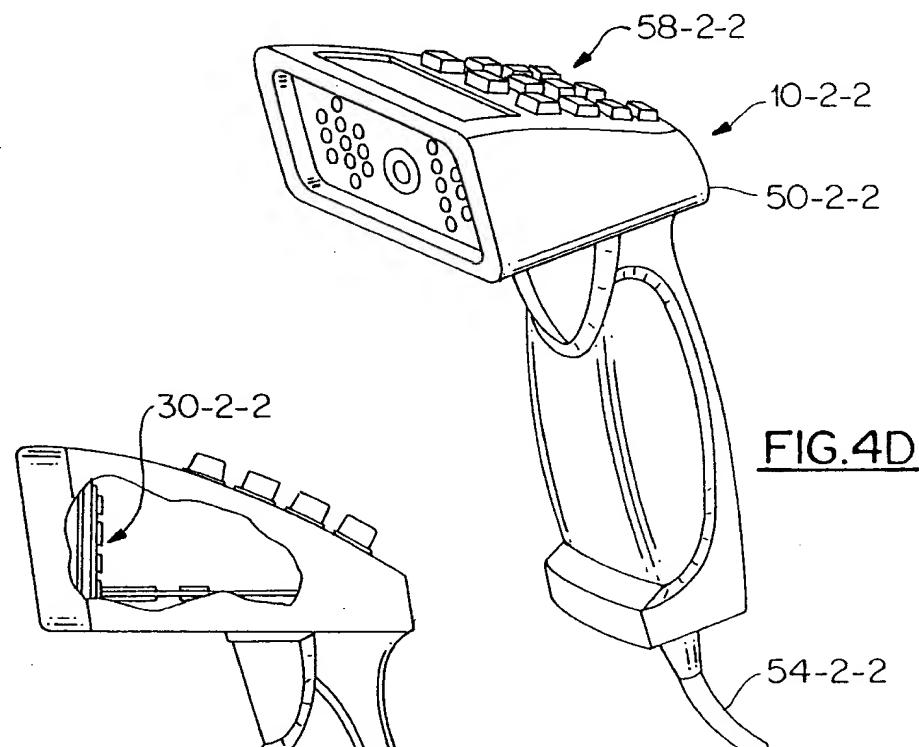
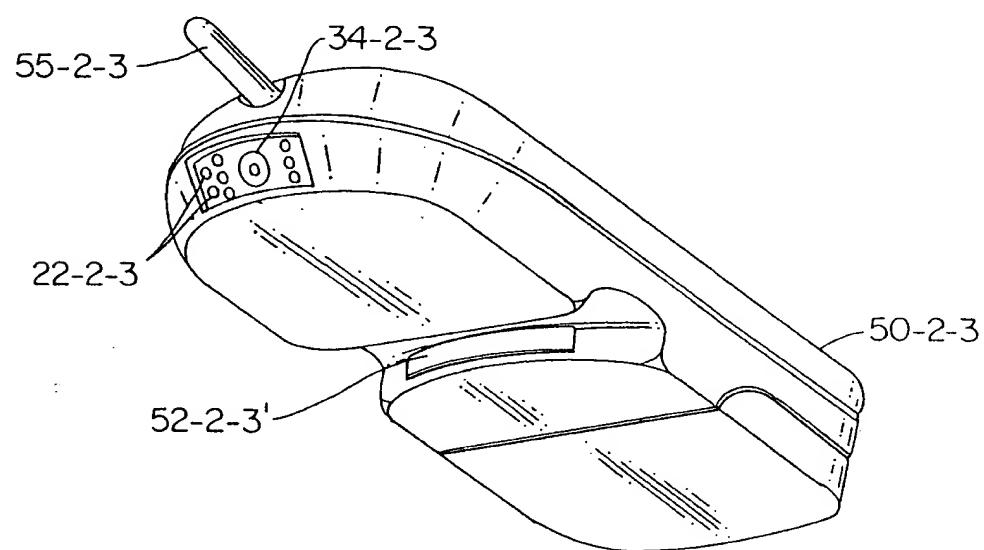
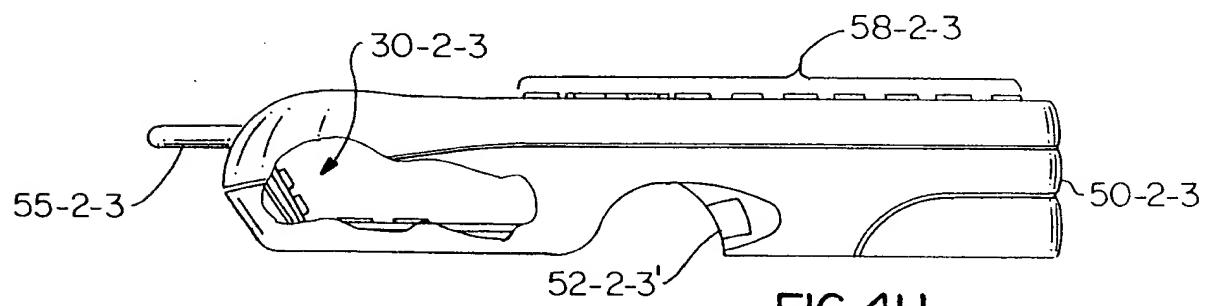
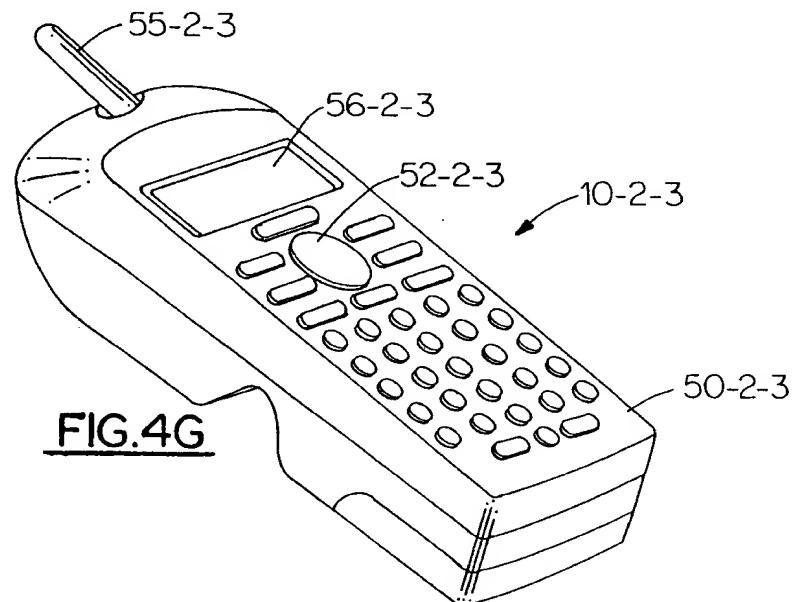


FIG.4F



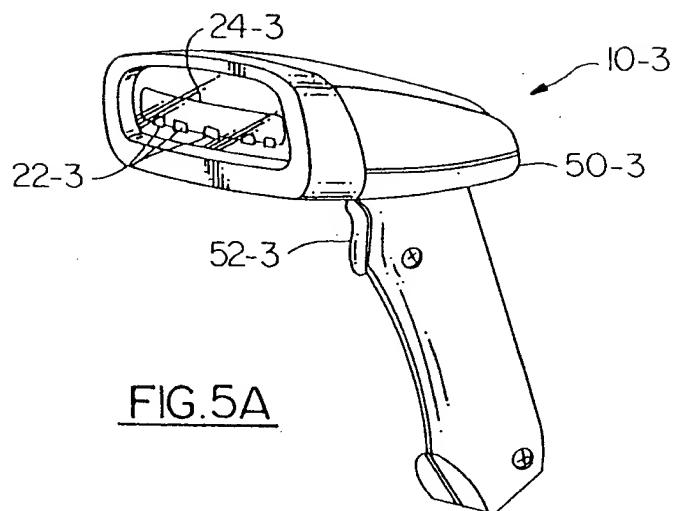


FIG.5A

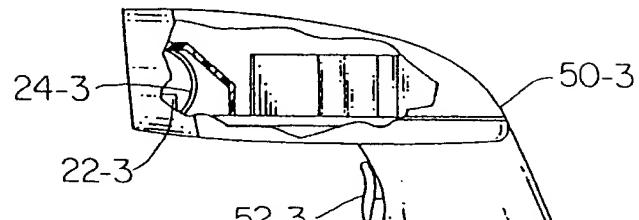


FIG.5B

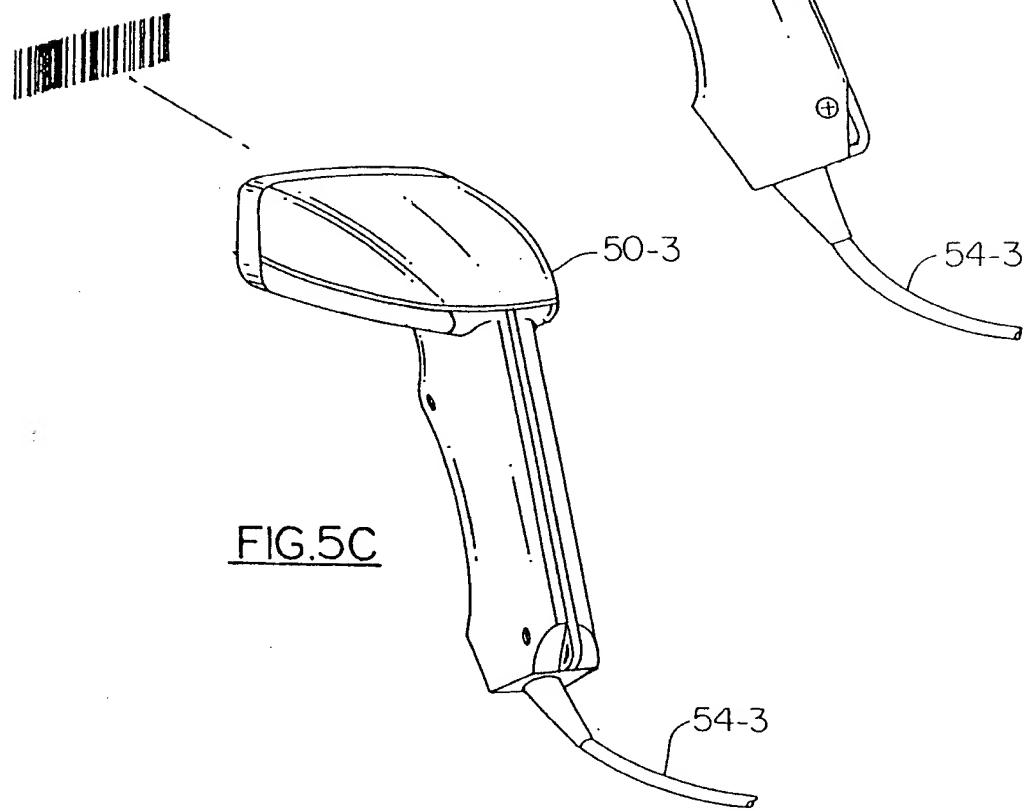


FIG.5C

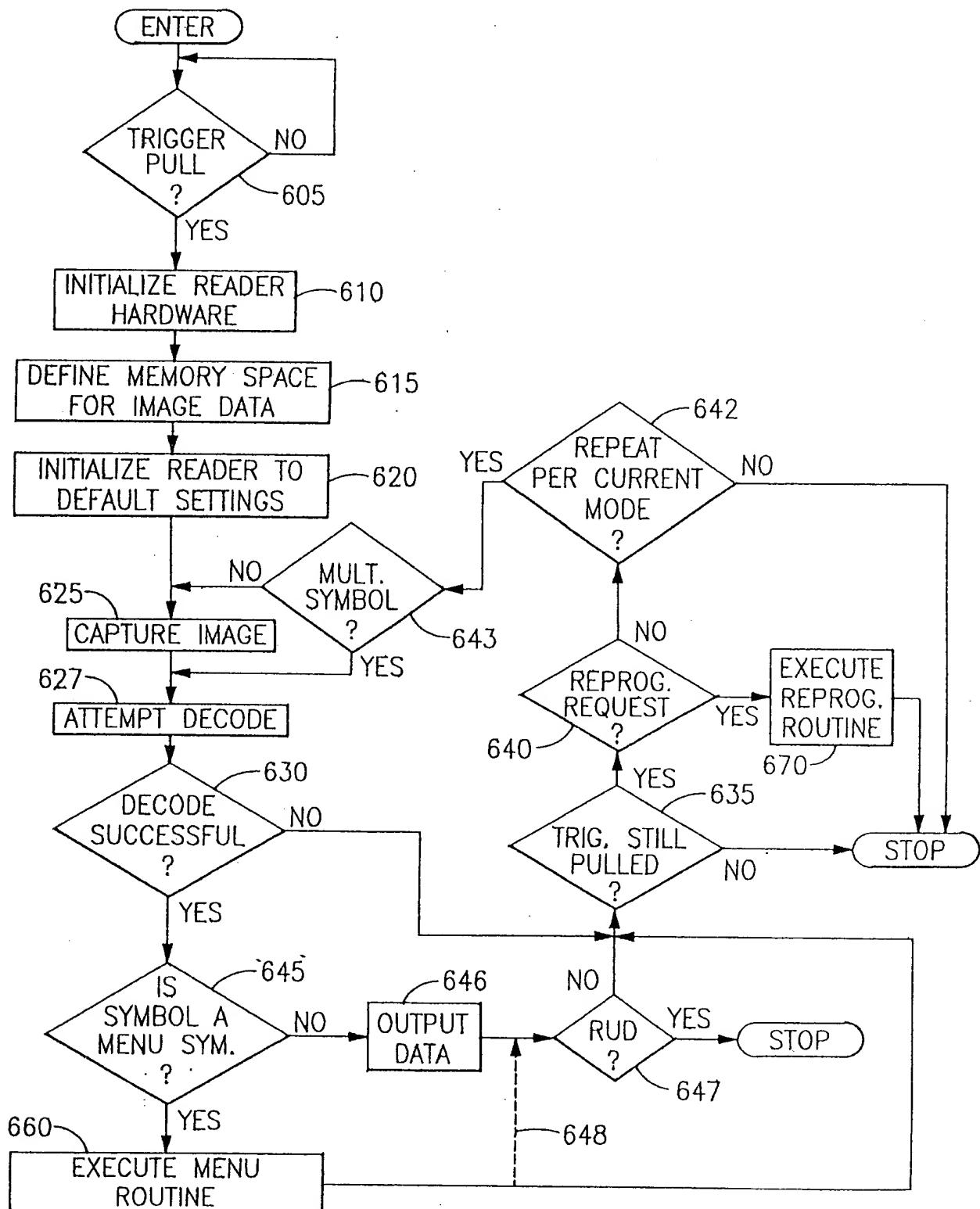


FIG. 6A

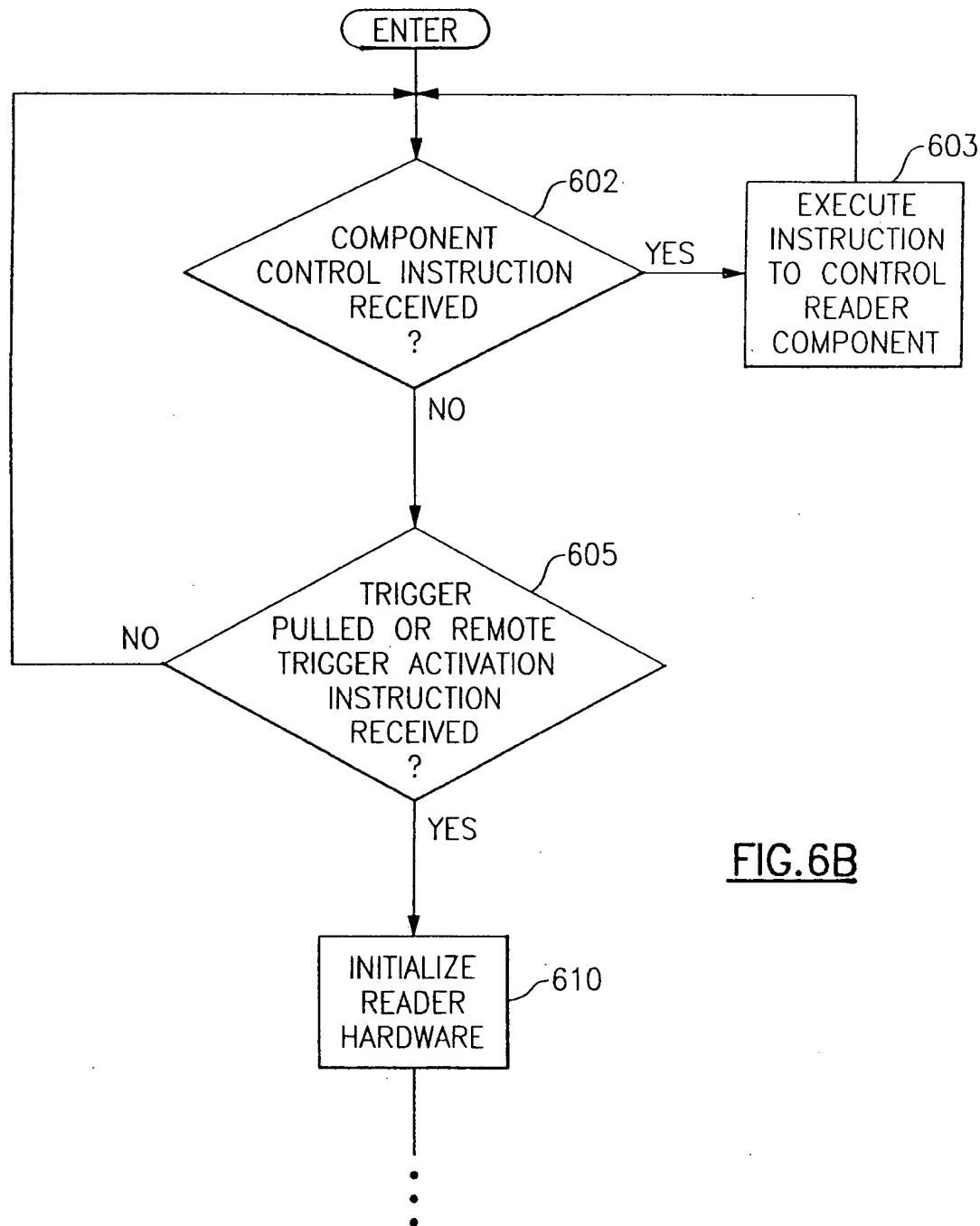


FIG.6B

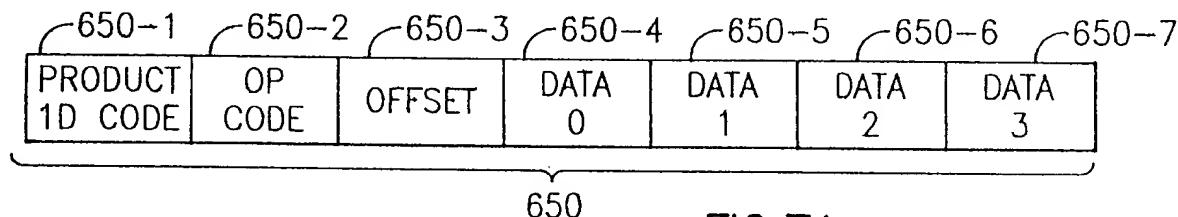


FIG.7A

OPTIONS (OFFSET) TABLE

- A. COMMUNICATIONS OPTIONS
 - 1. RS-232
 - 2. BAUD RATE
 - 3. RF LINK
 - 4. ETHERNET
- B. CODE OPTIONS
 - 1. DISABLE 1D
 - 2. DISABLE 2D
 - 3. DISABLE INDIV.
 - 4. MIN-MAX LENGTH
 - 5. MULTIPLE SYMBOLS ENABLED
- C. SCANNING-DECODING OPTIONS
 - 1. ONE SHOT
 - 2. REPEAT UNTIL DONE
 - 3. REPEAT UNTIL STOPPED
 - 4. SCAN ON DEMAND
 - 5. SKIP SCAN
 - 6. DECODE ON DEMAND
- D. OPERATING OPTIONS
 - 1. BEEPER VOLUME
 - 2. AIMING LED ON/OFF
 - 3. AURAL FEEDBACK
- E. TRANSMIT OPTIONS
 - 1. SEND CHECK CHAR'S
 - 2. SEND CHECKSUM
 - 3. DATA EDIT OPTIONS

OP CODE TABLE

- A. OP CODE "0" - VECTOR PROC.
 - 1. OUTPUT VERSION OF SOFTWARE
- 2. OUTPUT CONTENTS OF PARAMETER TABLE
- 3. DISPLAY ENABLED CODES
- 4. PRINT PARAMETER TABLE AS BAR CODE SYMBOL
- B. OP CODE "1" - CLEAR
- C. OP CODE "2" - SET
- D. OP CODE "3" - TOGGLE
- E. OP CODE "4" - ADD
- F. OP CODE "5" - DEFAULT
- G. OP CODE "6" - LOAD
- H. OP CODE "7" - RESERVED

FIG.7C

FIG.7B

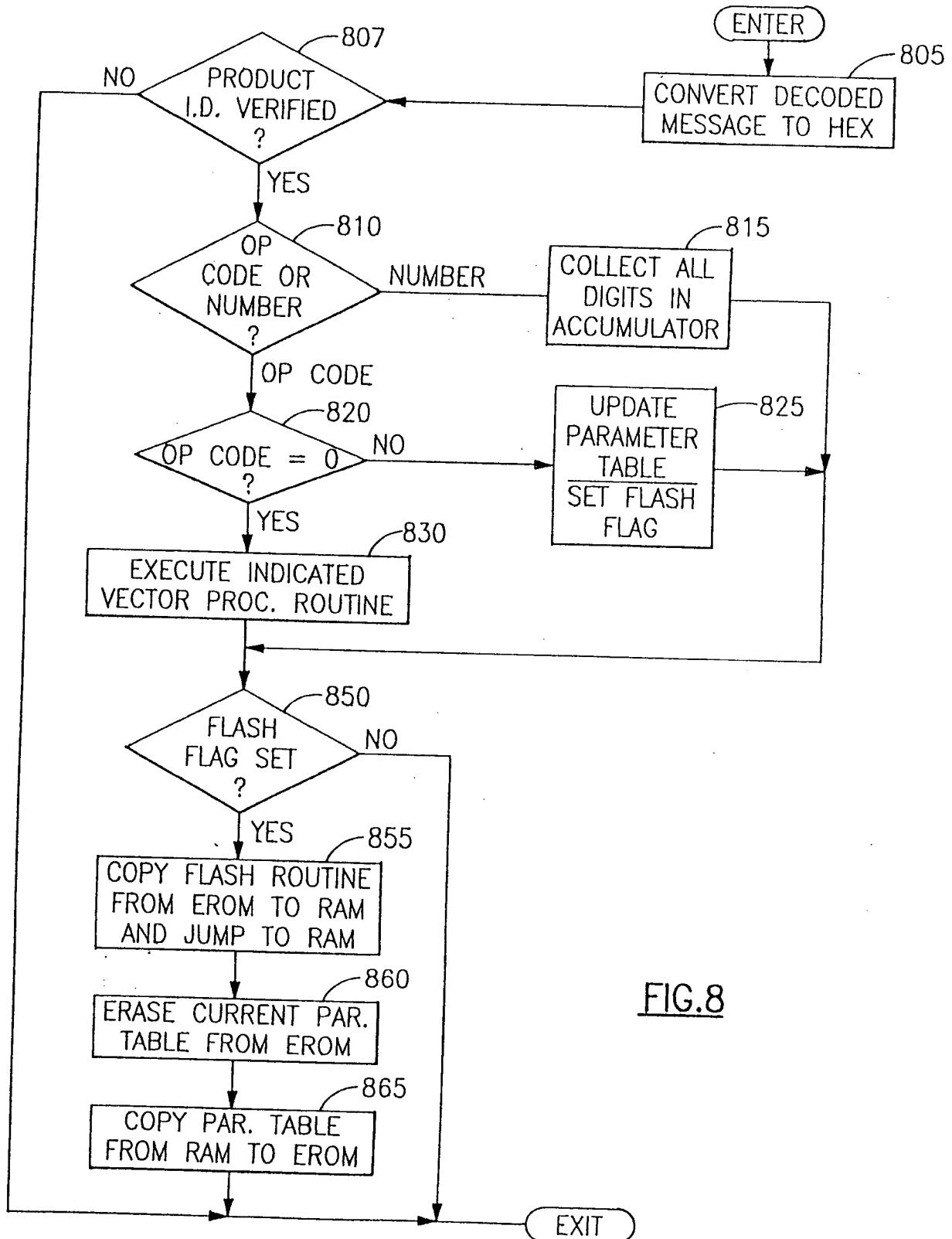


FIG.8

CODE 128 SELECTION

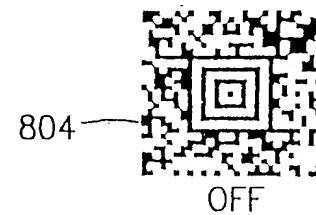
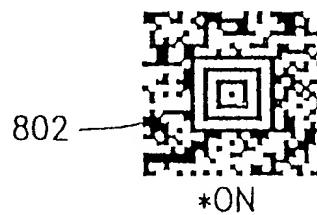
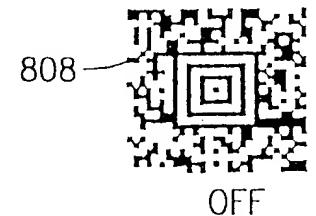
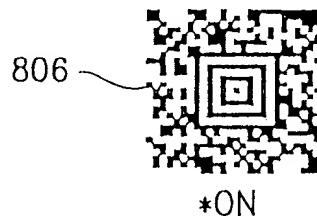


FIG.8A

UPC A SELECTION



BAUD RATE SELECTION

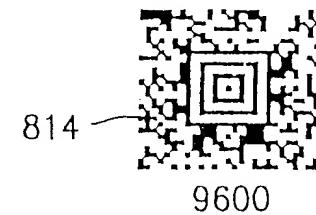
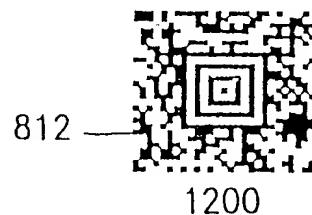
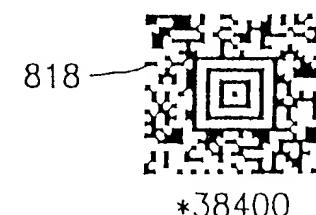
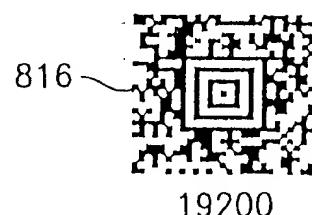


FIG.8B



DEFAULT ALL CODE 11/CODE 128 SETTINGS

822 ~

CODE 11 SELECTION

824 ~ CODE 11 OFF

*ON

826

828 ~ *2 CHECK DIGITS CHECK DIGITS REQUIRED

832

1 CHECK DIGIT

834 ~ MESSAGE LENGTH MAXIMUM

MINIMUM ‡

836

MAXIMUM ‡

FIG.8C

CODE 128 SELECTION

848 ~ CODE 128 OFF

*ON

852

854 ~ MESSAGE LENGTH MAXIMUM

MINIMUM ‡

856

MAXIMUM ‡

‡ A TWO-DIGIT NUMBER IS REQUIRED AFTER SCANNING
THIS PROGRAMMING BAR CODE. PLEASE SCAN YOUR SELECTION
ON THE PROGRAMMING CHART (INSIDE BACK COVER).

REPROG. SYSTEM

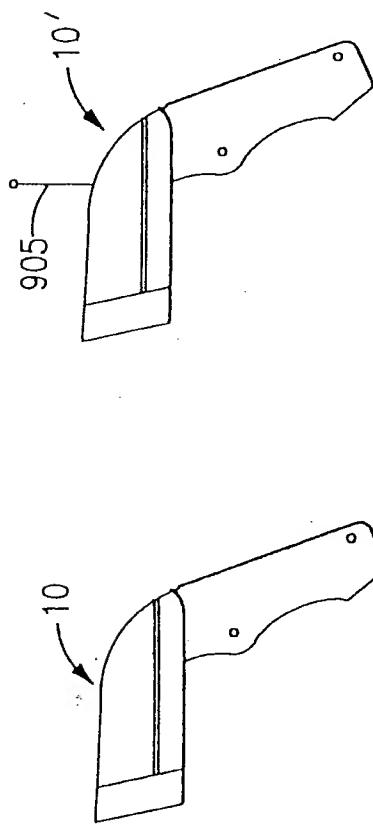
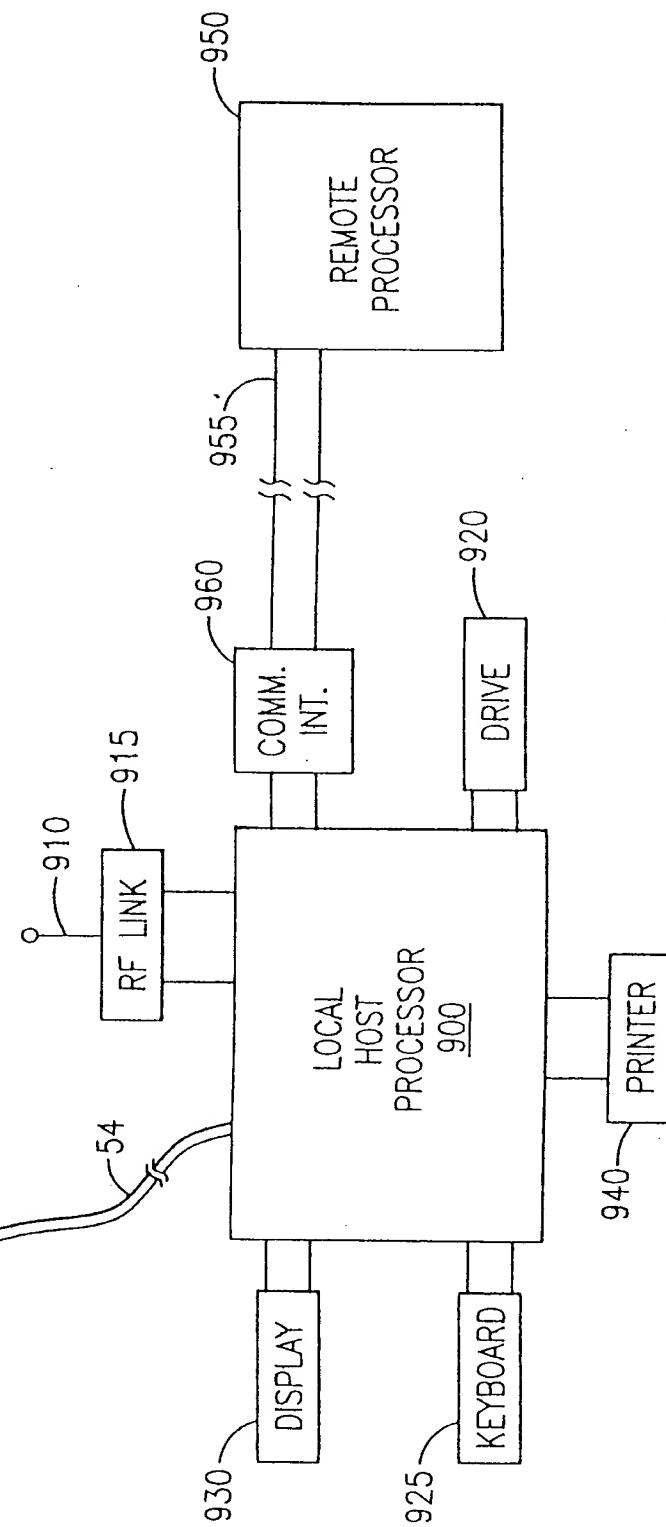


FIG.9



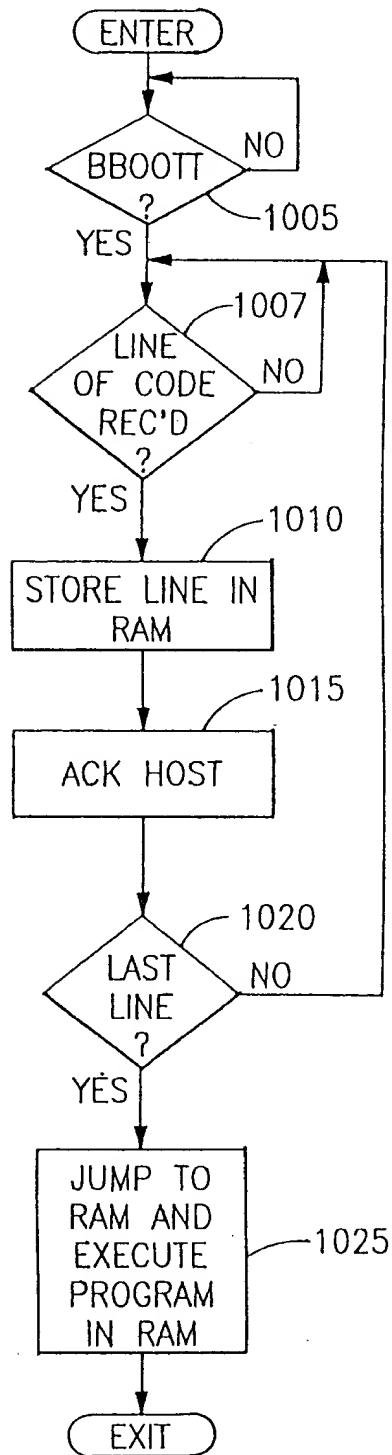


FIG. 10A

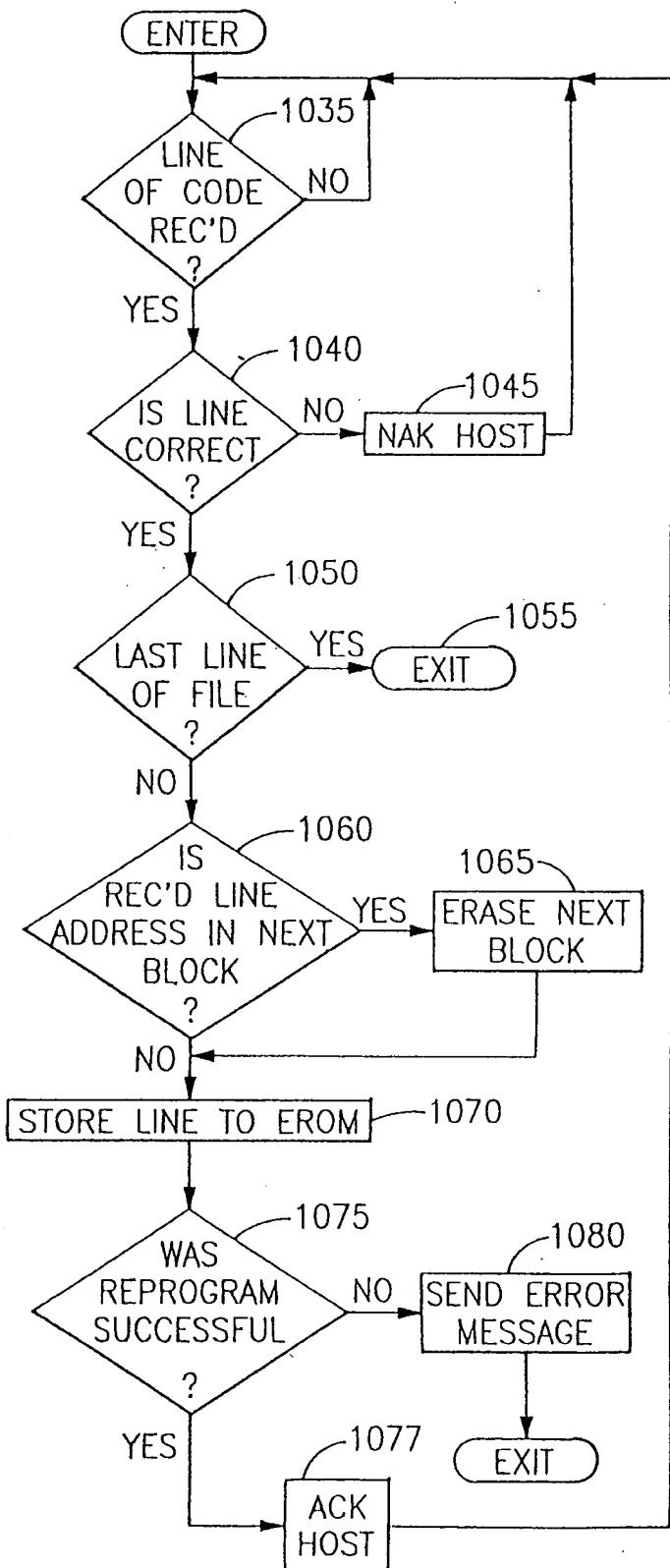


FIG. 10B

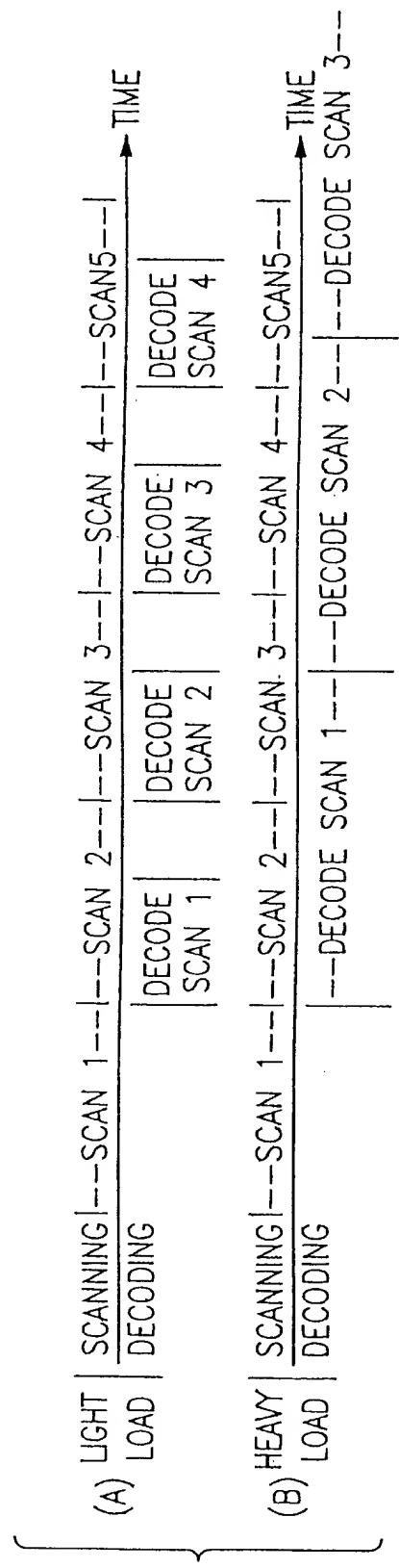
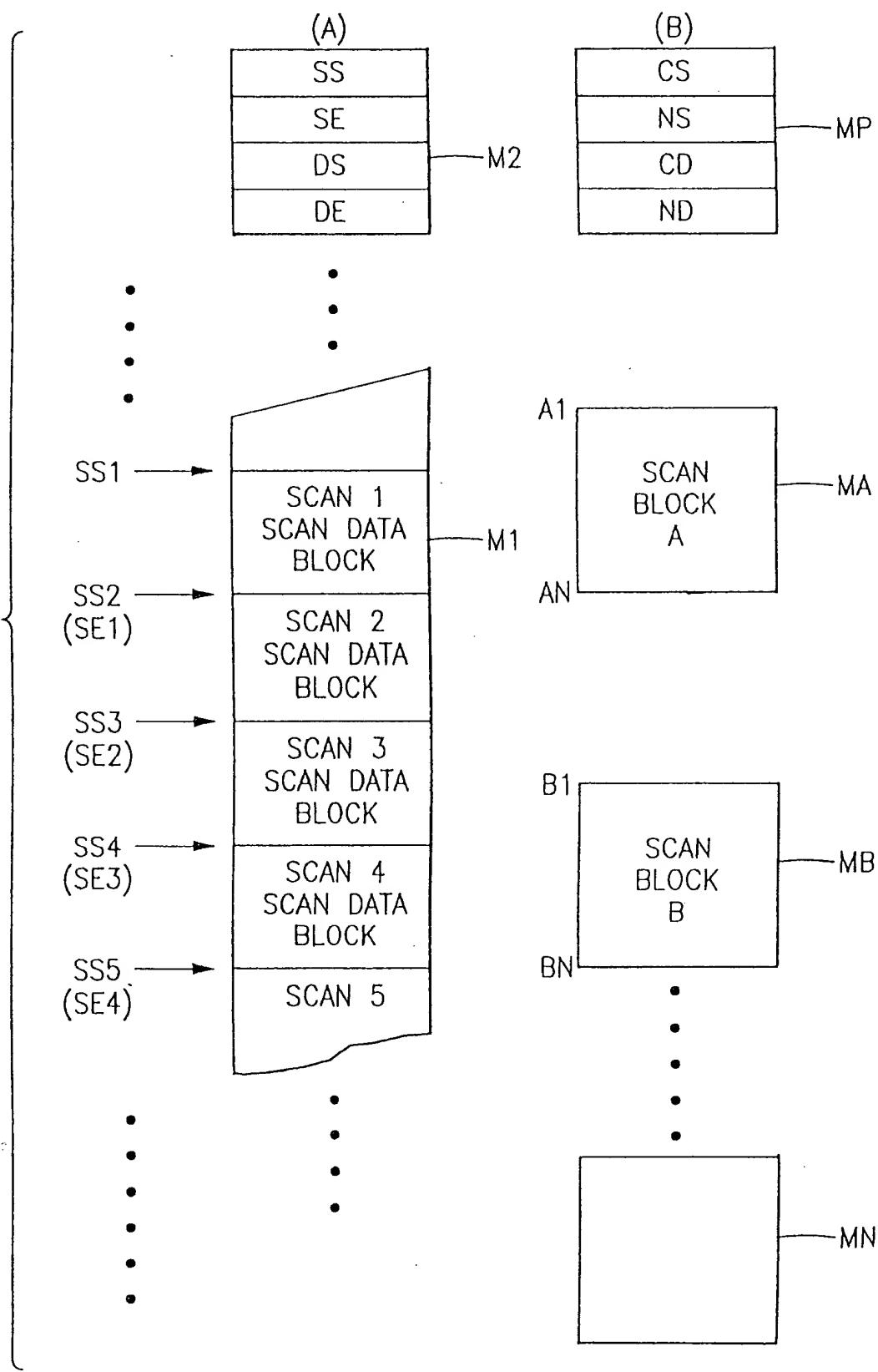


FIG. 12
Prior Art

| | | | | | | | | | |
|-----|----------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|
| (A) | SCANNING | SCAN 1 | SCAN 2 | SCAN 3 | SCAN 4 | SCAN 5 | SCAN 6 | SCAN 7 | SCAN 8 |
| | DECODING | DECODE | SCAN 1 | DECODE | SCAN 2 | DECODE | SCAN 3 | DECODE | SCAN 4 |
| (B) | SCANNING | SCAN 1 | SCAN 2 | SCAN 3 | SCAN 4 | SCAN 5 | SCAN 6 | SCAN 7 | SCAN 8 |
| | DECODING | DECODE | SCAN 1 | DECODE | SCAN 2 | DECODE | SCAN 3 | DECODE | SCAN 4 |
| (C) | SCANNING | SCAN 1 | SCAN 2 | SCAN 3 | SCAN 4 | SCAN 5 | SCAN 6 | SCAN 7 | SCAN 8 |
| | DECODING | DECODE | SCAN 1 | DECODE | SCAN 2 | DECODE | SCAN 5 | DECODE | SCAN 7 |
| (D) | SCANNING | SCAN 1 (MEM A) | SCAN 2 (MEM B) | SCAN 3 (MEM C) | SCAN 4 (MEM A) | SCAN 5 (MEM B) | SCAN 6 (MEM C) | SCAN 7 (MEM A) | SCAN 8 (MEM B) |
| | DECODING | DECODE | SCAN 1 (MEMORY A) | DECODE | SCAN 3 (MEMORY B) | DECODE | SCAN 5 (MEMORY A) | DECODE | SCAN 7 (MEMORY B) |
| (E) | SCANNING | SCAN 1 (MEM A) | SCAN 2 (MEM B) | SCAN 3 (MEM C) | SCAN 4 (MEM A) | SCAN 5 (MEM C) | SCAN 6 (MEM B) | SCAN 7 (MEM C) | SCAN 8 (MEM A) |
| | DECODING | DECODE | SCAN 1 (MEMORY A) | DECODE | SCAN 2 (MEMORY B) | DECODE | SCAN 4 (MEMORY B) | DECODE | SCAN 6 (MEMORY B) |

FIG. 13

FIG.14



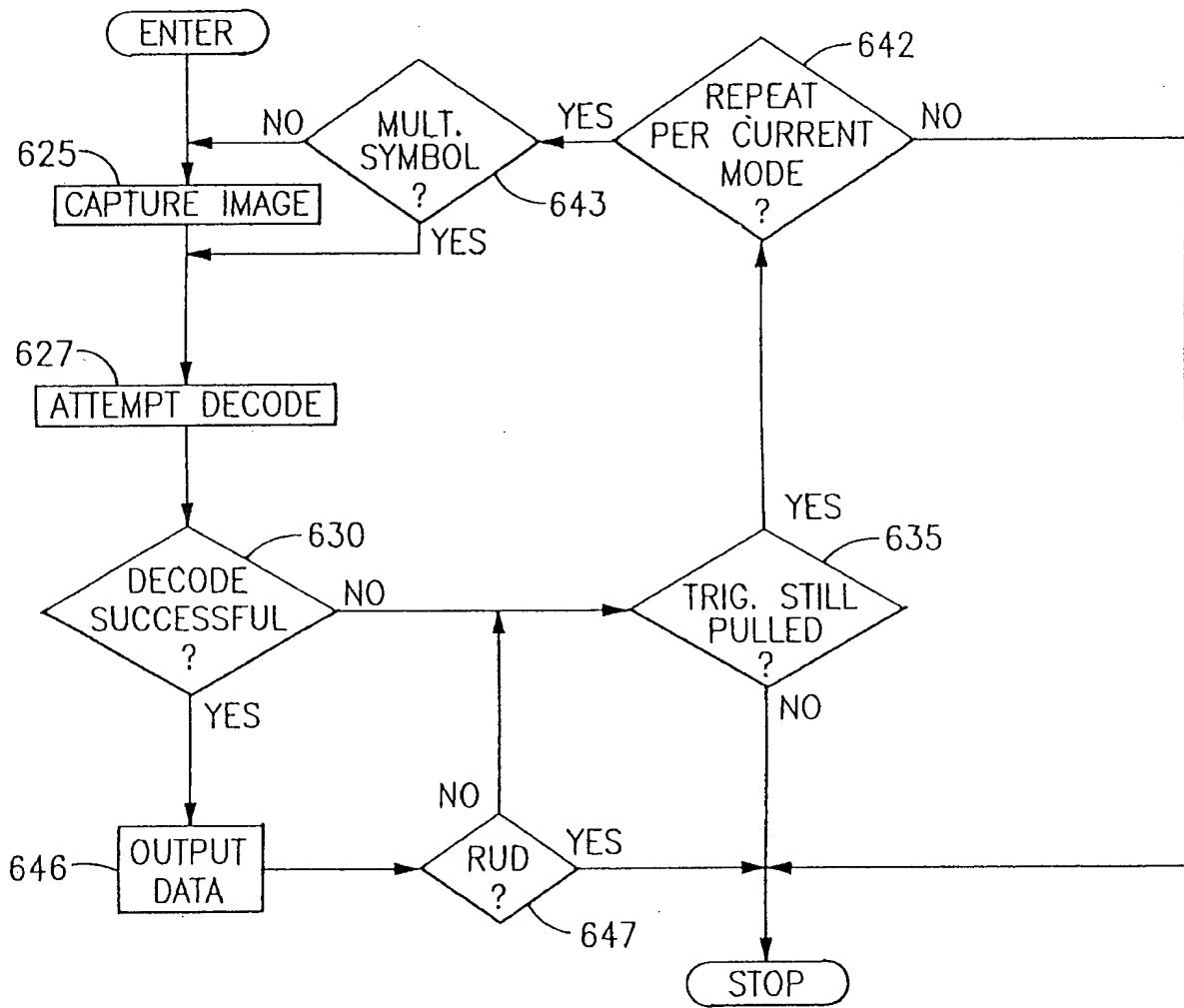


FIG.15

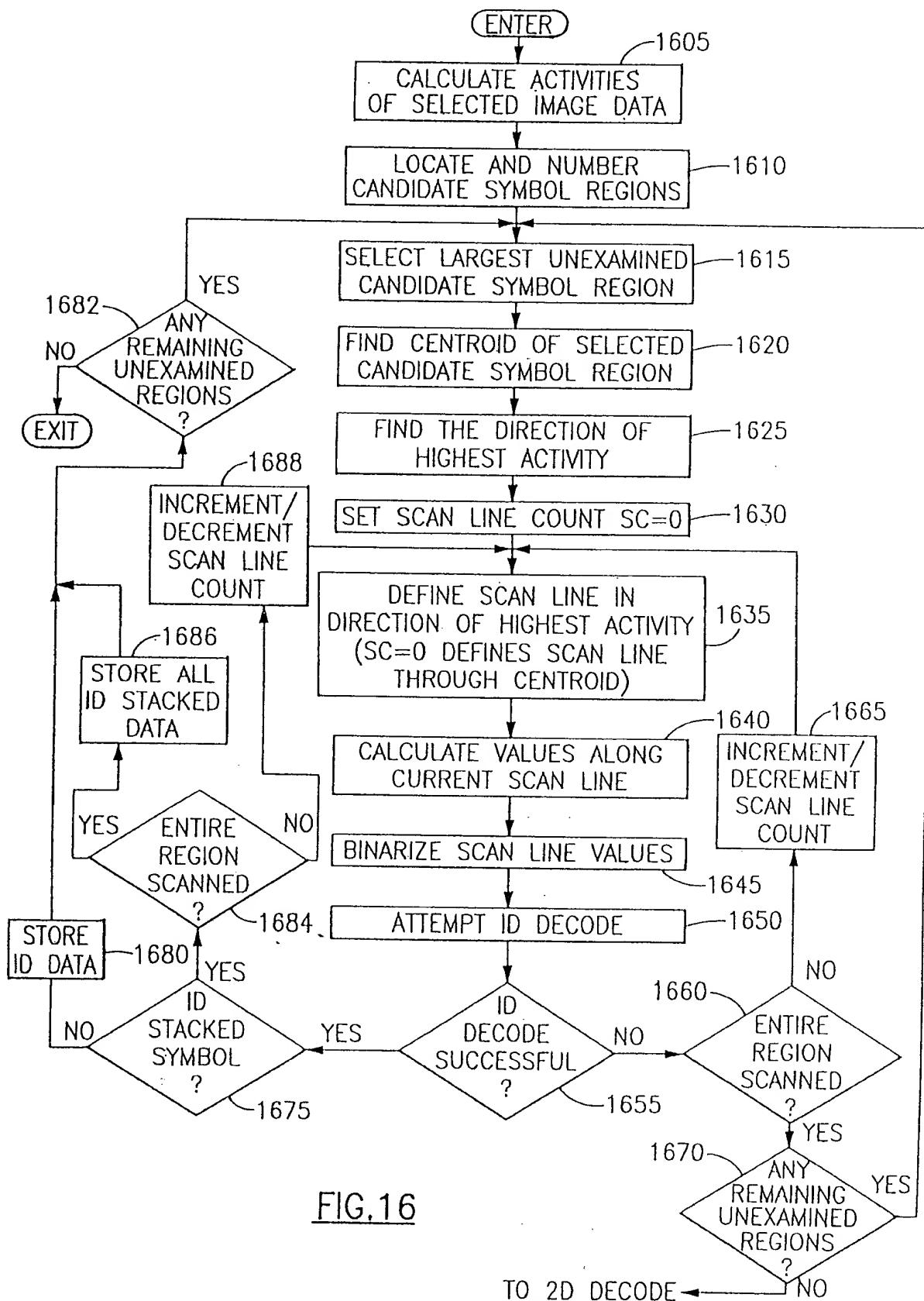
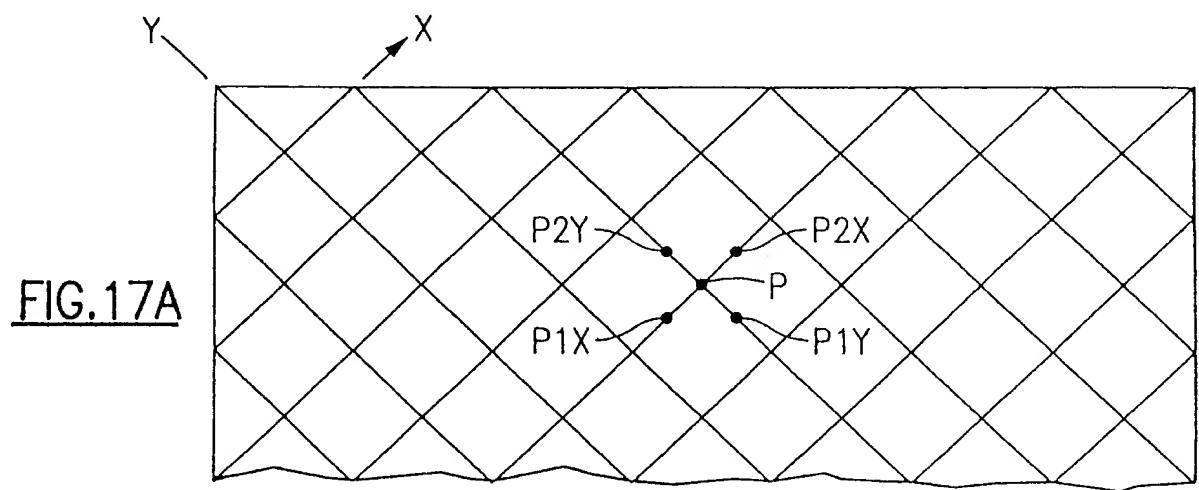
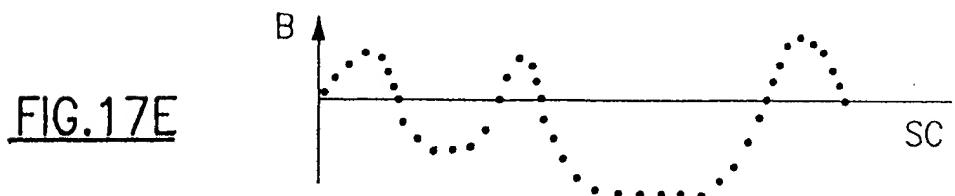
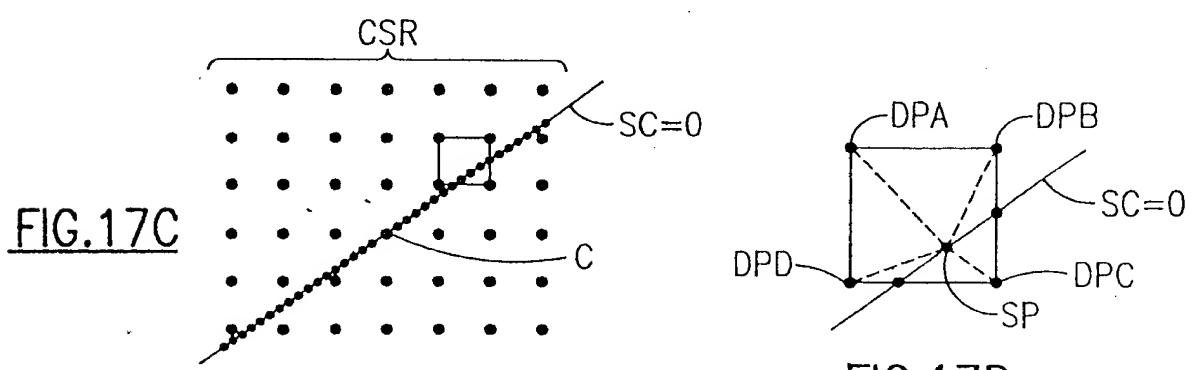
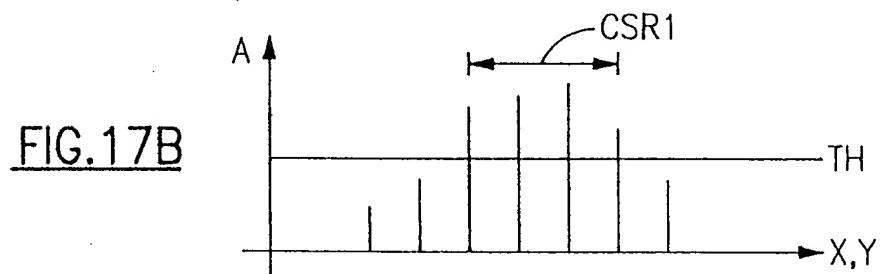
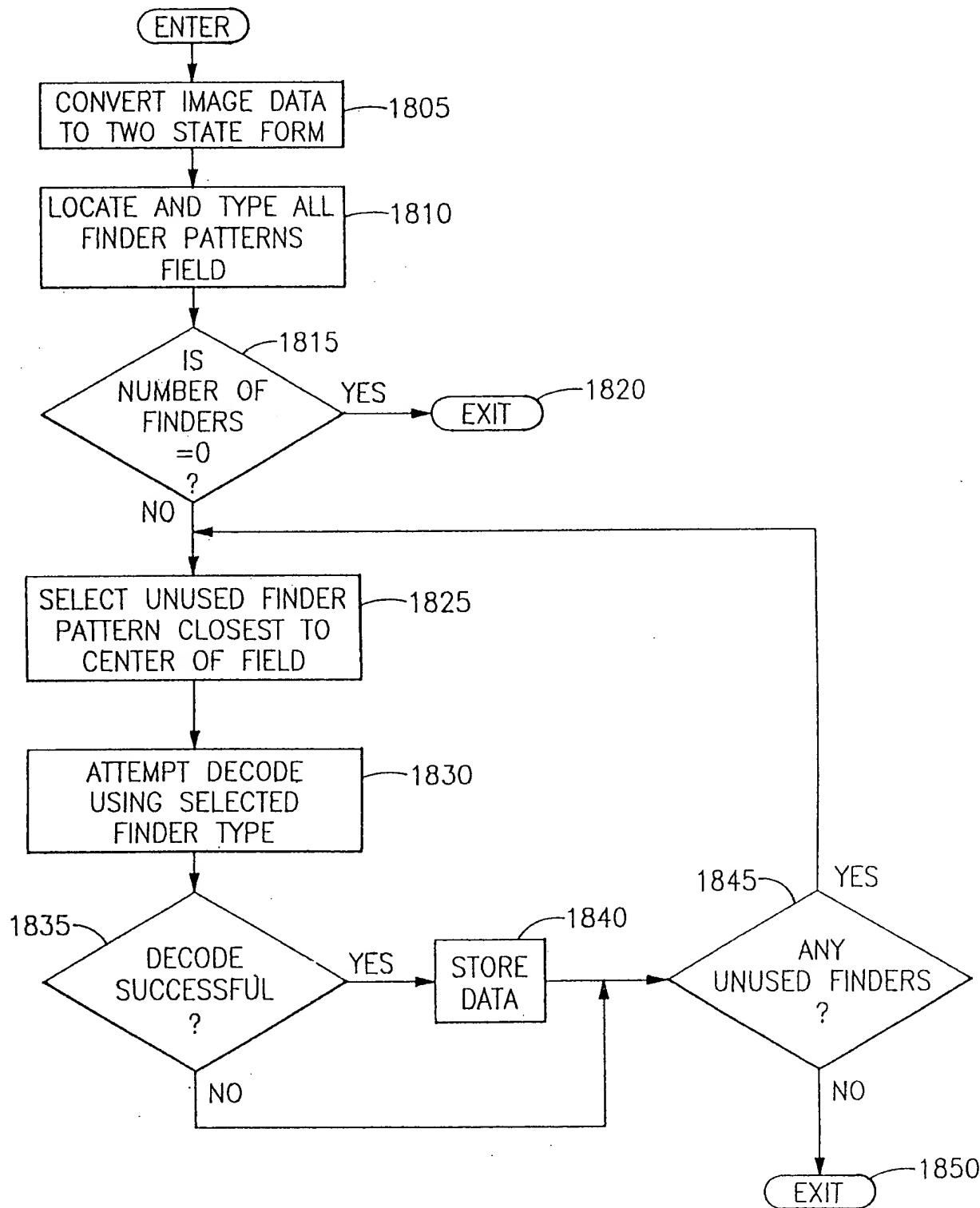


FIG. 16



$$A_P = (P2X - P1X)^2 + (P2Y - P1Y)^2$$



FIG.18

000 000 000 000 000 000 000 000

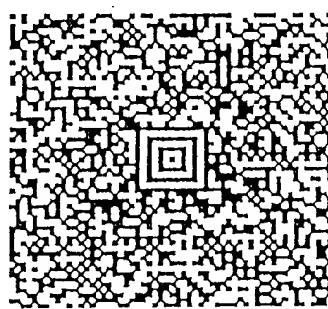


FIG.19A

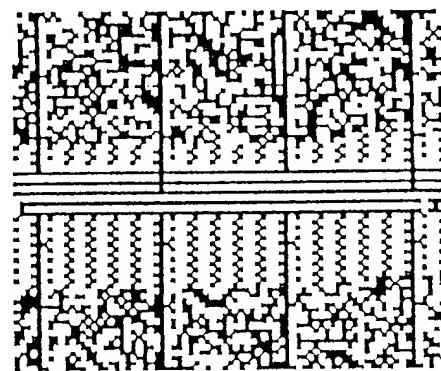


FIG.19B

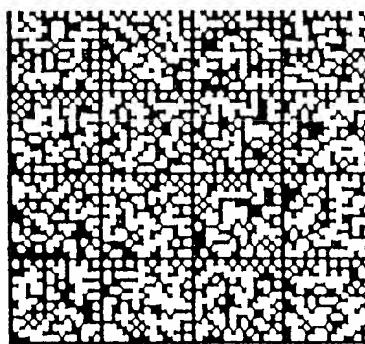


FIG.19C

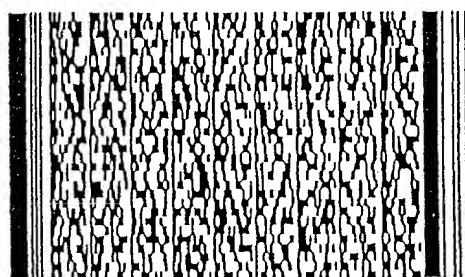


FIG.19D

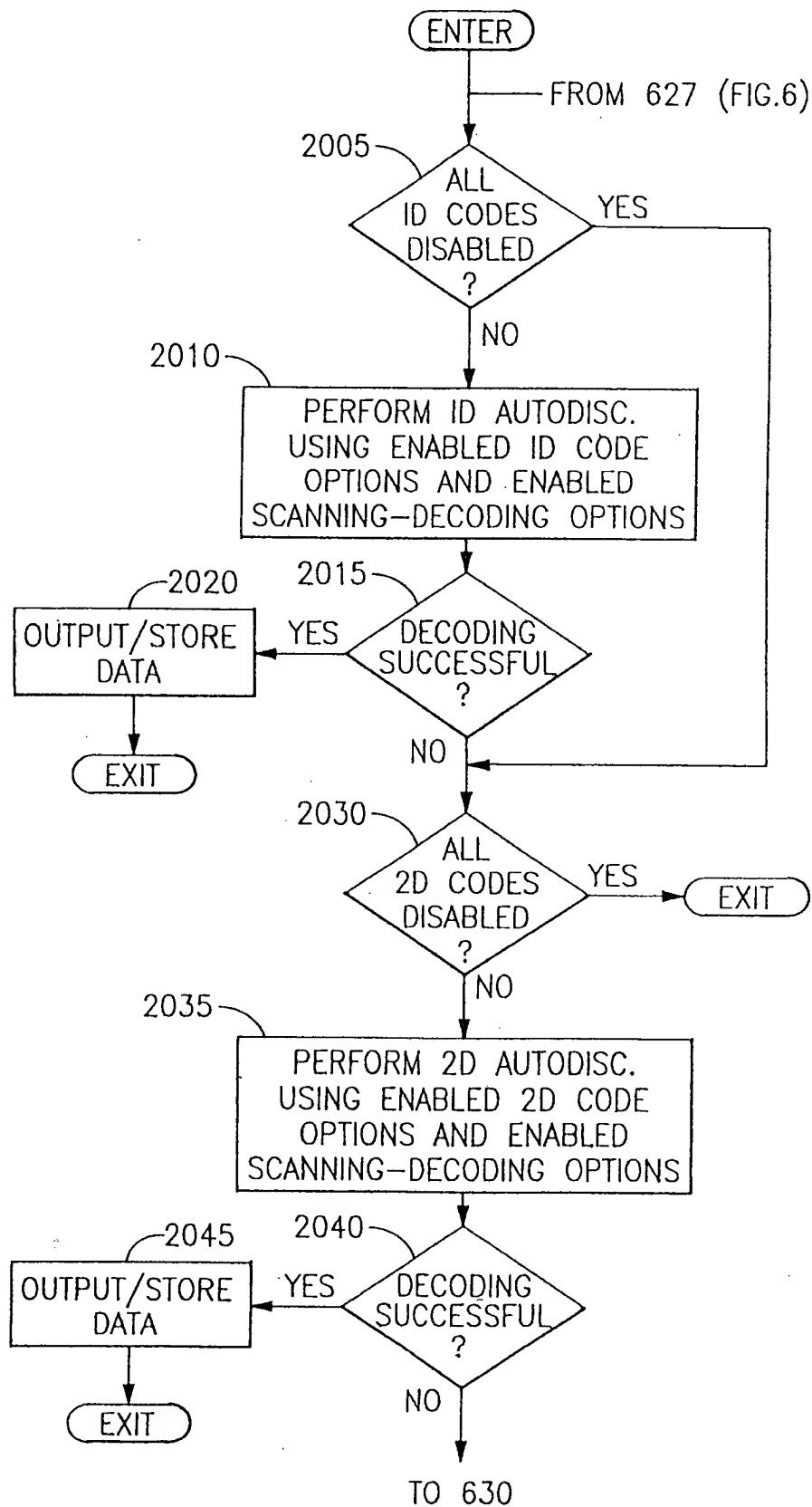


FIG.20